

Claims

[1] A conjugated diolefin (co)polymer rubber obtained from a conjugated diolefin or a conjugated diolefin and an aromatic vinyl compound, which is characterized in that said (co)polymer rubber has an alkoxysilyl group and has been desolvated under alkaline conditions.

[2] The conjugated diolefin (co)polymer rubber according to claim 1, wherein the (co)polymer rubber further has an amino group.

10 [3] The conjugated diolefin (co)polymer rubber according to claim 2, wherein the amino group is a primary amino group.

[4] The conjugated diolefin (co)polymer rubber according to claim 2 or 3, wherein an amino group-containing alkoxy-silane-based compound is used as a compound for allowing the amino group and the alkoxysilyl group to be bonded to a (co)polymer chain.

[5] A method for producing the alkoxysilyl group-containing conjugated diolefin (co)polymer rubber according to any one of claims 1 to 4 comprising polymerizing a conjugated diolefin or a conjugated diolefin and an aromatic vinyl compound in a hydrocarbon solvent by anionic polymerization using as an initiator at least one metal compound selected from the group consisting of an organic alkali metal and an organic alkali earth metal, and then allowing an alkoxysilane-based compound to react, in which the method is characterized in that after said alkoxysilane-based compound has been allowed to react, an alkaline compound is added at the

time of desolvation, and treatment is conducted at a pH of 8 to 12.

[6] The method for producing the conjugated diolefin (co)polymer rubber according to claim 5, wherein the alkaline
5 compound is at least one selected from the group consisting of ammonia, sodium hydroxide, potassium hydroxide and lithium hydroxide.